

A1
signal and a communication system using the same, including a transmitting apparatus having a conversion circuit for converting serially input data to a plurality of bits of parallel data given predetermined information and an LED array having a number of LED units corresponding to the number of bits of the parallel data from the conversion circuit arranged in an array, wherein the LED units are controlled in light emission in parallel based on bit information of corresponding parallel data to emit optical information signals dispersed in a spatially predetermined range, and of a receiving apparatus having a plurality of photo-diodes arranged in an array for emitting electric signals of levels in accordance with amounts of light received, wherein the photo-diodes output electric signals in parallel, for selecting information in accordance with the optical information signal based on the electric signals output in parallel from the photo-diode array, for converting the selected parallel data to serial data, and for outputting the same.

IN THE CLAIMS

Please amend claims 1-33 by rewriting same to read as follows:

A2
Sub B1
1. (Amended) A receiving apparatus for receiving an optical information signal, comprising:
a light receiving element array having a plurality of